M. A. R. 57 (Rule 116)
Measurement Book

No. E

559825

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: providing senior citizen lighting to pathway & other development works to Ganesha layout park on M.S palya in ward no 11						
	Est Cost : 10.0 lakhs						
	Job code No : 011-15-0000013						
	Head of Account : P0190						
	work order No : BBMP/EE/BTP/WO/2AA/16-17 dt: 25/03/17						
	D.O.R : 26/8/21						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	i) Earthwork excavation for foundation of building water supply, sanitary lines & electrical conditions either in path or in trenches 1.5m & above in hard soil not exceeding 1.5m in depth including disposing the bottom & sides of path & trenches stacking the excavated soil clean from edges of excavation with lead upto 50m after breaking of clods						
	Premeasurement recorded at vide 1.NO ① of DH No 559673 of this M.B					4.97	1308.00
						CM @63.28/-	
	ii) Providing & laying in position plain cement concrete of m12 CC 1:4:8 with OPC cement @180kg with 40mm & down size graded granite metal coarse aggregate @0.85cum & fine aggregate @0.57cum						

M. A. R. 57 (Rule 116) No. E 559626

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Machine mixed concrete laid in 15cm thick well compacted in including cost of all material machinery curing complete.			layers not exceeding 4 cm thick foundation & plinth labour item of			
	Procurement recorded Qty vide MB of PGNO 559673 of two nos					1.24 Cft 4822.80/-	5990.00 5980.00
(2)	Providing & laying in position plain cement concrete of CC 1:2:4 with cement @ 240 kg with 20mm & down size graded granite metal coarse aggregate 0.8 cum & fine aggregate 0.4 cum machine mixed						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Concrete laid in layers not exceeding 15cm thick well compacted on foundation & plinth including cost of all materials labour Hom of Machinery curing						
	Premeasurement recorded at page vide 1. No (3) of PH NO 559673 of the M.B					3.73	19752.00 19773.00
	ent 5301/-						
(4)	Fabricating, supplying & erection of 4m to long hot dip galvanized octagonal pole with BSEN 10025 grade S355 JO steel plate for shaft, 15 x 062 for base plate with door opening arrangements including suitable boards, bakelite sheet as mcb's as per IS specification suitable to						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559627

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	withstand the wind speed of 180 kmph for 4mtr pole having dimension bottom 130mm top 70mm width 3/4mm thick, suitable base plate & 4 no of 220x220 x 12mm long J bolts along with template & the pole shall be galvanized with not less than 65 micron 4mtr height.						
	2017	02			02	19 4523.00	
					@ 8457.50/-		
6)	Digging of trench of 0.6m depx0.4mtr wide refilling the trench to the required level & consolidating etc.						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Premeasurement recorded qty vide I.NO (5) of PU 559674 of the MB					350.0 @ 49.75/-	17413.00
(6)	providing & filling sand in excavated trench to cover already laid UG cable to a depth 150mm all round the cable						
	premeasurement recorded qty vide I.NO (6) of P.U NO 559675 of the MB					350.0 @ 65.67/-	22985.00
(7)	Supplying of LT UG cable having aluminium conductor PVC insulated sheathed galvanised steel wire/steel tape armoured cable with PVC outer sheathing 1.1 kV class/1 class A PVC						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559628

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cable, core 50 Sq.mm						
		1	28.0	-	-	28	
		1	26.0	-	-	26	
		1	16.0	-	-	16	
		1	12.0	-	-	12	
		1	18.0	-	-	18	
		1	18.0	-	-	18	
		1	16.0	-	-	16	
		1	15.0	-	-	15	
		1	18.0	-	-	18	
		1	16.0	-	-	16	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
						210.00	

Assistant Executive Engineer,
Vidyaranyapura Sub Division,
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	18.0	-	-	18.0	210.00
		1	16.0	-	-	16.0	
		1	18.0	-	-	18.0	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
		1	18.0	-	-	18.0	
		1	15.0	-	-	15.0	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
		1	15.0	-	-	15.0	
		1	15.0	-	-	15.0	
						379.00	
		Qty limited to				360.00	121788.00
		CM 338.30					

Assistant Executive Engineer
Vijayapura Sub Division
KUIDFC, Bangalore-97

M. A. R. 57 (Rule 116) No. E 559629

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8	b) 2 bore 10 dia mm	1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
						140.0	

Assistant Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	10.0	-	-	10.0	140.00
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
		1	10.0	-	-	10.0	
						230.0	@ 5174.00

26/x

Add 109.45%

9) Supply & fixing of heavy duty cable glands suitable for UG cable 1.1 KV class

CLR CHECKED 26/12/97

Assistant Executive Engineer
Vidyaranyapura Civil Division
BCMP, Bangalore-97

M. A. R. 57 (Rule 116) No. E 559630

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		4	-	-	-	4	1035.00
					@ 258.75/-		
10)	Labour charges for laying of 1.1kV class VG cable in existing trench GI pipe / Stoneware pipe / on wall on pole as required.						
		1	28.0	-	-	28.0	
		1	26.0	-	-	26.0	
		1	16.0	-	-	16.0	
		1	12.0	-	-	12.0	
		1	18.0	-	-	18.0	
		1	18.0	-	-	18.0	
		1	16.0	-	-	16.0	
		1	15.0	-	-	15.0	
						149.00	

Assistant Executive Engineer
Vijayanagara Sub Division
BESCOM, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	18.0	-	-	18.0	149.00
		1	16.0	-	-	16.0	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
		1	18.0	-	-	18.0	
		1	16.0	-	-	16.0	
		1	18.0	-	-	18.0	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
		1	18.0	-	-	18.0	
		1	15.0	-	-	15.0	
		1	12.0	-	-	12.0	
		1	15.0	-	-	15.0	
		1	15.0	-	-	15.0	
		1	15.0	-	-	15.0	
						379.0	3942.00

2 × 12

limit of 360.0

excess 10.95

Assistant Executive Engineer
Vijayanagarapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116) No. E 559631
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) Supplying & making straight through cable joint with epoxy resin including ferrules & other jointing material for PVC insulated & PVC sheathed steel tape, wire armoured aluminium conductor cable of 1.1kv grade of the following size						
		3	–	–	–	3	
						@ 1204.00/–	3612.00
	12) Supplying & making straight through cable joint with epoxy resin fixing L.T cast iron pot heads suitable for 1.1kv class U.G						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	U.G cable filled with necessary bitumen/insulating compound complete with terminal clamps bolts, nuts & washers	23	-	-		23	9452-00
				EMC 410-941			
13)	Supply of 125 watt HPMV lamp fitting with round/conical/diamond shaped HDPE dome mounted a cast aluminium spigot fitted with VPIT open construction low loss heavy duty copper wound ballast. of improvement capacitor compute with lamp holder for fixing of 125 watts MV lamp suitable to operate on 230 V to 43 Hz AC supply including 125 watt HPMV lamp	23	-	-	-	23	

Assistant Executive Engineer
Vijayanagar Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116) **No. E** 559632

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
						23	73232.00
						cxy 3184/-	
14)	fixing charges of post top/Gate/Garden fitting on the existing CI/GI or any other pipe upto required size of reducer upto suitable size						
		23				23	3778.00
						cxy 164.18/-	
15)	Supplying & fixing regular MCB distribution panel conforming to IS 8828 on wall/wood board/pillar						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Mounting wiring required with provision for fixing of suitable type cast iron Doubledoor with necessary wired to use on 440 volts powder coated painting provision for fixing of suitable capacity conforming to IS 8828	clamps bolts nuts city mccb's as an incomer for 3 phase supply board complete 3 phase 4 wire single/three phase mccb/mccb's as outgoing					
		2	-	-	-	2	11612.00
						CR 5805.82/-	
16)	Supply 100 Amps rated bus bar wiring required aluminium strips covered	3 phase with neutral capacity electrolytic with heat shrinkable					

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559633

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Coloured PVC sleeve mounted on phenolic/FRP/DMC insulated which are mounted on powder coated 40 x 6mm m.s flat frame work in existing panel board. the bus bar shall have suitable holes for termination of incoming & outgoing cables as per IS specification with necessary bolts, nuts & washers	1x1	-	-	-	1 nos	1590.00
						@ 1590/-	
17)	Supply & fixing of modular MCB device suitable breaking capacity of 6kA	1 each	-	-	-	1	870.00
						@ 870/-	

Assistant Executive Engineer
Assistant Executive Engineer
Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
18)	Supplying, fixing, wiring earth electrode for grounding conduit, I.C cutout & other equipment on the meter board using 40mm dia ϕ 90 mm thick GI pipe 2.5 mtr long buried in a pit. the pit should be filled with equal proportion salt & charcoal 150mm around the pipe to complete depth. the connection from the pipe to the conduit etc is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolt nut washers & checknuts the pipe shall have 16 through holes of 12 mm dia	1 (each)	–	–	–	1	
				Say	1	0.25	–

Assistant Executive Engineer
Vidyaranyapura Sub Division

...GALORE MAHANAGARA PALIKE

...AYANAPURA DI...

...OF WOR...

M. A. R. 57 (Rule 116)
Measurement Book

No. E 559634

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
19	Fabricating supplying & mounting 1200x900x350mm MS box made out 18 SWG suitable for floor/wall mounting fully weather proof with double hinged top as per drawing with provision for locks heat dissipation provided with louged front cover with clear opening of 100x100 mm protected by glass cover clamped to the door on EB meter Sode to facilitate meter reading equipped with tamper proof locking arrangement with suitable glands & box should be finished with approved colour enamaled paint	1 No				1 No	

Assistant Executive Engineer
Vijayanagar Sub Division
Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
22)	Manufacturing, moulding & fixing a Gazebo made of MS round pipes of 6 inches diameter of 12 S WG for pillars 10' in height in which 8' will be above the ground level & 2 feet embedded in Cement Concrete & provided with MS plate on top of the pillars. MS I Section 100 x 50mm of heavy gauge in Placed between the poles on top of the flush plate. Also MS angular tubes of 40x20mm keepers are welded horizontally in between the rectangel tubes for a diptone of 1 feet approximately octogonal shape, for - gated mangalore tiles on the roof flat design to be & Pointed with cement mortar. the Gazebo is to be fixed on a portable platform the central height being 15 to 16 feet & including all round 6nd Concrete 1:4:8 & Size stone masonry foundation as per the approved design drawings & specification. the MS pipes are to						

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559635

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	be fixed with CC 1:3:6 & the flooring is constructed with class C Earth con tiles placed on cement concrete 1:4:8 & tampered with fine red earth with cement slurry the work including earthwork excavation concreting masonry work & cost of all material						
	10/8	1 No	–	–	–	1 No	385985.00
		CRR 9/22			ERR 385985.38/–		
a)	Providing & fixing Granite Benches including cost of materials labour as per specification						
	12/8	7 No	–	–	–	7 No	72481.00
					ERR 101497.20/–		

Assistant Executive Engineer
Vijayanagarapura Sub Division
BBMP, Bangalore - 97
10/8

Assistant Executive Engineer
Vijayanagarapura Sub Division
BBMP, Bangalore - 97
12/8

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
22)	providing & fixing duct box as per design drawing specification & direction of Engineer in charge of work	1NO	-	-	-	1NO	4776.00
						Total	994324.00
	Certificate						
	work done satisfactorily There is no due from contractor to BBMP pertaining to this work						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116) No. E

Measurement Book

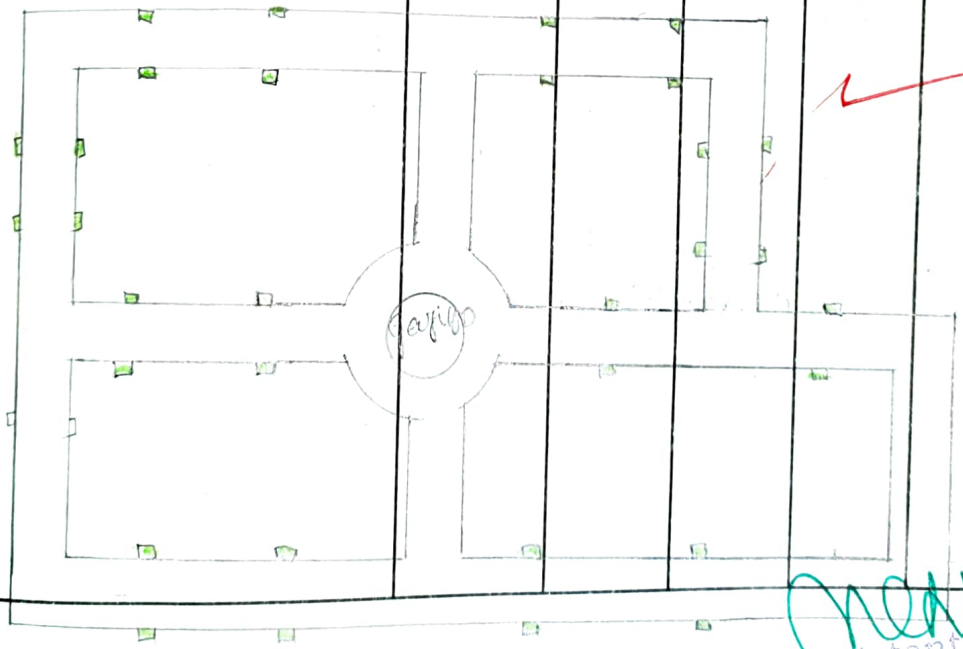
559636

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

INDEX.

- Light Fittings

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Frost & Final Bill ✓					BA - 994300=00 ✓	
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ D-0190 ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 994300=00 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ. ಇದರಲ್ಲಿ ರೂ. 55847=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 9,38,453=00 ಗಳನ್ನು FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ವಿಷಯ ನಿರ್ವಾಹಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು ಲೆಕ್ಕಾಧಿಕ್ಷಕರು 6/12/22 ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು Chandrappa ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು					ST - 9943=00 ✓ LC - 9942=00 ✓ CBT - 995=00 ✓ CGST - 8878=00 ✓ SGST - 8878=00 ✓ LR - 700=00 ✓ EOT - 16500=00 ✓ TD - 55847=00 ✓ Chq - 9,38,453=00 ✓	